

CLEAN COPY

ABSTRACT

An induction heater having a safety function of lowering or stopping the heating power when an object to be heated moves, the safety function hardly interfering with the cooking activities of a user is provided. The induction heater includes an inverter circuit, an output detection section for detecting the magnitude of the inverter circuit, a first movement detection section, and a storage section for storing a control value before the first movement detection section detects a movement of the object. In a reach control mode, the output of the inverter circuit is gradually increased to a target. In a stable control mode, the output of the inverter circuit is maintained at the target. When the first movement detection section detects a movement of the object, a control section shifts to a first output mode in which a control value derived from the stored control value is output.